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DATE: July 20, 2009   JOB CODE:

OFFICIAL PAPER

Please deliver this and the following pages to:

Examiner:	**Ben C. Wang**
U.S.P.T.O. Group Art Unit:	**2442**
Telecopier No.:	**1 571 270 2240**
U.S. Serial No.:	**10/790,663**
Client/Matter No.:	**MSFT-2767**
Sender's Name:	**Peter Trahms-Neudorfer**
Pages to Follow:	**9**

If transmission is not complete, please call our **Seattle Office at (206) 332-1380.**

COVER MESSAGE:

OFFICIAL FACSIMILE. PLEASE DELIVER TO EXAMINER IMMEDIATELY.

Attached hereto is/are the following documents:
1) Interview request form
2) Draft response to the office action dated June 10, 2009

WOODCOCK WASHBURN LLP
A Partnership Including Professional Corporations
www.woodcock.com

Applicant Initiated Interview Request Form

Application No.: 10/790,663   First Named Applicant: Izydor Gryko

Examiner: Ben C. Wang   Art Unit: 2442   Status of Application: final rejection

Tentative Participants:

(1) Peter Trahms-Neudorfer   (2) Ben C. Wang

(3) _____   (4) _____

Proposed Date of Interview: Monday July 27, 2009   Proposed Time: 2:00 EST   AM/**PM**

Type of Interview Requested:

(1) [✓] Telephonic   (2) [ ] Personal   (3) [ ] Video Conference

Exhibit To Be Shown or Demonstrated: [ ] YES   [ ] NO

If yes, provide brief description: _____

Issues To Be Discussed

Issues (Rej., Obj., etc)	Claims/ Fig. #s	Prior Art	Discussed	Agreed	Not Agreed
(1) _____	_____	_____	[ ]	[ ]	[ ]
(2) _____	_____	_____	[ ]	[ ]	[ ]
(3) _____	_____	_____	[ ]	[ ]	[ ]
(4) _____	_____	_____	[ ]	[ ]	[ ]

[✓] Continuation Sheet Attached

Brief Description of Argument to be Presented:

please see attached draft

An interview was conduction on the above-identified application on _____.
NOTE: This form should be completed by applicant and submitted to the examiner in advance of the interview (see MPEP § 713.01).
This application will not be delayed from issue because of applicant's failure to submit a written record of this interview. Therefore, applicant is advised to file a statement of the substance of this interview (37 CFR 1.133(b)) as soon as possible.

/ Peter Trahms-Neudorfer /
_____   _____
Applicant/Applicant's Representative Signature   Examiner/SPE Signature
Peter Trahms-Neudorfer
_____
Typed/Printed Name of Applicant or Representative
59,282
_____
Registration Number, if applicable

DOCKET NO.: MSFT-2767/305783.01   **PATENT**
Application No.: 10/790,663
Office Action Dated: June 10, 2009

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Confirmation No.: **9551**
Izydor Gryko et al.

Application No.: **10/790,663**   Group Art Unit: **2192**

Filing Date: **March 1, 2004**   Examiner: **Ben C. Wang**

For: **REUSABLE CUSTOMIZED PROJECT SYSTEM**

Mail Stop AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

REPLY PURSUANT TO 37 CFR § 1.116

In response to the Official Action dated **June 10, 2009**, reconsideration is respectfully requested in view of the amendments and/or remarks as indicated below:

- ☐ **Amendments to the Specification** begin on page **Error! Bookmark not defined.** of this paper.

- ☒ **Amendments to the Claims** are reflected in the listing of the claims which begins on page 2 of this paper.

- ☐ **Amendments to the Drawings** begin on page _____ of this paper and include an attached replacement sheet.

- ☒ **Remarks** begin on page 8 of this paper.

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Application No.: 10/790,663
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This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1.   (Currently Amended) A method for building an extensible project system
comprising:

providing a base software development project ~~component~~ object comprising data for
creating a software development project system, wherein the base project component object
implements a base project configuration component object model (COM) object that includes
configuration properties for the base project ~~component~~ COM object, the configuration
properties comprising at least one of a configuration set, the configuration set comprising an
indication of a build of the project system, an output file to be created, and an indication as to
where the output file will be placed, the base project COM object implementing an
application programming interface (API) that is called by the base software development
project object to invoke configuration properties of the base project COM object;

providing ~~at least one~~ a flavor ~~component~~ COM object comprising data for modifying
said project system for a specific purpose, wherein the ~~at least one~~ flavor ~~component~~ COM
object includes flavor-specific project configuration properties comprising at least one of a
flavor set, the flavor set comprising a caption of a project node, an icon of a project node, a
property allowing a project browse object to be completely overridden, a control allowing a
project to be renamed, a sort priority control, a property allowing a command to be added, a
property allowing a command to be removed, a property allowing a command to be disabled,
a filter, a property allowing a default generator given a file extension to be determined, and a
property allowing a human-readable generator name to be mapped to a COM object, the
flavor COM object implementing an API that is called by the base software development
project object to invoke flavor-specific project configuration properties of the flavor object;

signaling, by the base project component object, to the ~~at least one~~ flavor component
object that the base project configuration component object needs to be extended;

creating a flavored project system adapted for said specific purpose by ~~component~~
~~object~~ COM aggregation using said base project ~~component~~ COM object as a participating
component object and ~~one of~~ said ~~at least one~~ flavor component object[[s]] as a controlling
~~component~~ COM object; and

creating, by the ~~at least one~~ flavor component object, a flavored base software development project configuration component object, wherein at least one configuration property for the base project component object is ~~modified~~ overridden by a corresponding flavor-specific project configuration property.

2.   (Previously Presented) The method of claim 1, where said at least one flavor component object comprises at least a first flavor component object and a second flavor component object, and where said step of creating a flavored project system comprises:

creating an intermediary component object by aggregating said first flavor component object as a controlling component object and said base project component object as a participating component object; and

creating a flavored project system by using said second flavor component object as a controlling component object and said intermediary component object as a participating component object.

3.   (Previously Presented) The method of claim 1 where said step of creating a flavored project system comprises allowing at least one interface of said base project to be modified by said flavor component object.

4.   (Previously Presented) The method of claim 3 where said step of creating a flavored project system comprises allowing a value for at least one property stored in said at least one interface of said base project to be modified by a value for said at least one property stored in an interface of said flavor component object.

5.   (Previously Presented) The method of claim 1 where said step of creating a flavored project system comprises allowing at least one interface of said base project to be replaced by said flavor component object.

6.   (Canceled)

7.   (Previously Presented) The method of claim 1, wherein said flavored base project configuration component object includes an extender interface, said creation of a project system further comprising:

providing an extender site component object associated with said extender interface.

8.   (Previously Presented) A system for building an extensible project system comprising:

a processor;

a process configured to instantiate a base software development project component object comprising data for creating a project system, wherein the base project component object implements a base project configuration component object that includes configuration properties for the base project component object, the configuration properties comprising at least one of a configuration set, the configuration set comprising an indication of a build of the project system, an output file to be created, and an indication as to where the output file will be placed;

a process configured to instantiate at least one flavor component object comprising data for modifying said project system for a specific purpose, wherein the at least one flavor component object includes flavor-specific project configuration properties;

a process in the base project component object configured to signal the at least one flavor component object that the base project configuration component object needs to be extended;

a process configured to generate a flavored software development project system for said specific purpose by component object aggregation using said base project component object as a participating component object and one of said at least one flavor component objects as a controlling component object; and

a process in the at least one flavor component object configured to generate a flavored base software development project configuration component object, wherein at least one configuration property for the base project component object is modified by a corresponding flavor-specific project configuration property.

9.   (Previously Presented) The system of claim 8, where said at least one flavor component object comprises at least a first flavor component object and a second flavor component object, and where said aggregator further comprises:

a first aggregator for creating an intermediary component object by aggregating said first flavor component object as a controlling component object and said base project component object as a participating component object; and

a second aggregator for creating a flavored project system by using said second flavor component object as a controlling component object and said intermediary component object as a participating component object.

10.   (Previously Presented) The system of claim 8 where said aggregator causes at least one interface of said base project to be modified by said flavor component object.

11.   (Previously Presented) The system of claim 10 where said aggregator causes a value for at least one property stored in said at least one interface of said base project to be modified by a value for said at least one property stored in an interface of said flavor component object.

12.   (Previously Presented) The system of claim 8 where said aggregator causes at least one interface of said base project to be replaced by said flavor component object.

13.   (Canceled)

14.   (Previously Presented) The system of claim 8, wherein said flavored base project configuration component object includes an extender interface, said project system further comprising:

an extender site component object associated with said extender interface.

15.   (Previously Presented) A computer-readable storage medium for building an extensible project system, said computer readable storage medium storing instructions for causing a computer to perform the steps of comprising:

providing a base software development project component object comprising data for creating a project system, wherein the base project component object implements a base software development project configuration component object that includes configuration properties for the base project component object, the configuration properties comprising at least one of a configuration set, the configuration set comprising an indication of a build of

the project system, an output file to be created, and an indication as to where the output file will be placed;

    providing at least one flavor component object comprising data for modifying said project system for a specific purpose, wherein the at least one flavor component object includes flavor-specific project configuration properties;

    signaling by the base project component object to the at least one flavor component object that the base project configuration component object needs to be extended;

    creating a flavored software development project system for said specific purpose by component object aggregation using said base project component object as a participating component object and one of said at least one flavor component objects as a controlling component object; and

    creating, by the at least one flavor component object, a flavored base software development project configuration component object, wherein at least one configuration property for the base project component object is modified by a corresponding flavor-specific project configuration property.

    16.   (Previously Presented) The computer-readable storage medium of claim 15, where said at least one flavor component object comprises at least a first flavor component object and a second flavor component object, and where said step of creating a flavored project system comprises:

    creating an intermediary component object by aggregating said first flavor component object as a controlling component object and said base project component object as a participating component object; and

    creating a flavored project system by using said second flavor component object as a controlling component object and said intermediary component object as a participating component object.

    17.   (Previously Presented) The computer-readable storage medium of claim 15 where said step of creating a flavored project system comprises allowing at least one interface of said base project to be modified by said flavor component object.

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    18.   (Previously Presented) The computer-readable storage medium of claim 17 where said step of creating a flavored project system comprises allowing a value for at least one property stored in said at least one interface of said base project to be modified by a value for said at least one property stored in an interface of said flavor component object.

    19.   (Previously Presented) The computer-readable storage medium of claim 15 where said step of creating a flavored project system comprises allowing at least one interface of said base project to be replaced by said flavor component object.

    20.   (Canceled)

    21.   (Previously Presented) The computer-readable storage medium of claim 15, wherein said flavored base project configuration component object includes an extender interface, said creation of a project system further comprising:

    providing an extender site component object associated with said extender interface.

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REMARKS

Claims 1-5, 7-12, 14-19 and 21 are pending in the present application. Claims 1-5, 7-12, 14-19 and 21 stand rejected.

Telephonic Examiner Interview

[[Requested]]
[[For discussion – do the cited references teach the proposed amendments to claim 1? Point of novelty: a software development project is implemented with a COM object which exposes APIs. Those APIs are called by the project to determine project-specific settings. E.g. calling GetTargetISAType() may return "x64." This base COM object is extended by a flavor COM object that exposes its own APIs through COM aggregation. The flavor object's API's may provide new calls for the project to call, or they may override part or all of the base COM object's APIs.

For additional discussion – how should "at least one from a set, the set comprising A, B, and C" be interpreted? Does a reference need to teach each of A, B, and C for the claim to read on it, or is it sufficient to teach any one of A, B, or C?]]

Claim Rejections – 35 USC § 103

Date:

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